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Ch.

Paper March 1828

An  
Inaugural Essay  
On Acute Rheumatism.  
For the degree of Doctor of Medicine  
In the University of Pennsylvania  
By  
John M. Raiford of South Carolina.  
Philadelphia.  
January 1<sup>st</sup>  
1828.

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An Essay &c.

Taking into consideration the many different and complicated diseases with which mankind are occasionally afflicted, none appears to call into requisition and more strenuously demand the resources of our art, than Acute Rheumatism. And although this complaint had its origin in the earliest times, and was probably among the first inflicted on the human race and we know has attracted the attention and elicited the skill of the ablest and most scientific Physicians of every age, there is none which has given rise to more vague and inconsistent theories, and on which we have fewer correct data. An inquiry into the causes of the great discrepancies of opinion among Practitioners in regard to this disease, we are led to infer that it proceeds from their being too hasty to draw conclusions from slight appearances, and suffer blind and antiscientific speculation to usurp the place of those unerring guides to truth, reason, observation, and experience.

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Under such circumstances then it ceased any longer to be a matter of much surprise why empiricism has gained so much celebrity in the treatment of the and many other affections, and has undeservingly reaped those honors that seem a pretty claims. So long indeed as patient inquiry directed by a sound and discriminating judgment is counteracted by fanciful hypotheses, so long will medicine be retarded in its advancement, and fail to derive the full benefits from experience.

In extending our researches into the earliest records of medicine, but little is offered to interest and instruct us in regard to Rheumatism. That the ancients were not wholly ignorant of the existence of such an affection, yet so imperfect and confused was their knowledge as to its cause, the structure implicated, its termination, &c. that, looking upon all painful affections of the muscles and joints as the same—modified only by circumstances, they failed to distinguish the one under consideration.

They designated their affections according to the parts in which they were situated; and considering them as all



varieties of the same, they embraced them by the general term *Arthritis*. This term was indiscriminately used, whether these diseases originated in the stomach or were dependent on external causes for their production. It may readily be seen that such imperfect ideas were little calculated to direct them to a successful management of many cases that some tender their care, and consequently many must have fallen victims to an injudicious treatment. We can therefore place but little confidence in doctrines differing so materially from correct principles.

Paving then over those dark and unenlightened ages of our science, in which we can discover nothing but false reasoning founded on inconsistent theory, we arrive at the sixteenth century before we again gain any thing either practical or useful in regard to Rheumatism. It appears that BOLLING indisputably has the merit of having surpassed his predecessors in his views concerning this disease, as the first correct account we have of it, is from the pen of this great mind. But as regards the term Rheumatism it was not long

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before his time as Galen, Paul of Aegina, and others, as we are told, supposes it as synonymous with Catarrh, from (humor) fluxion or flowing, but Boissonius first applies it to that painful affection of the limbs and joints, which has been designated by the term *evr. smas*. But while we can do a tribute of praise to his memory for the zeal and exertion he displays, to promote the science of medicine, we are unprepared to sanction the errors of some of his entertainments on the subject. He tells us, that so nearly is it allied to gout, in many of its leading characteristics, that if care is not taken in our management, it will change to that disease. In support of this opinion we find the names of a number of men of eminence, among which are Boergius, ~~Stoll~~, and many others of no less celebrity. And in approaching a period very near to our own, we discover that the same doctrine is not without its advocates. We meet the approbation of the enlightened Gorr, as the following sentence plainly signifies. "So nearly is Rheumatism allied to gout, says he, that the two diseases are mostly dependent on the collateral circumstances of temperament, period

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Taking this into consideration, I think  
 which are almost very common in most of the land  
 even in the cotton, treatment in the 30-40-60-80-100-120-140-160-180-200-220-240-260-280-300-320-340-360-380-400-420-440-460-480-500-520-540-560-580-600-620-640-660-680-700-720-740-760-780-800-820-840-860-880-900-920-940-960-980-1000-1020-1040-1060-1080-1100-1120-1140-1160-1180-1200-1220-1240-1260-1280-1300-1320-1340-1360-1380-1400-1420-1440-1460-1480-1500-1520-1540-1560-1580-1600-1620-1640-1660-1680-1700-1720-1740-1760-1780-1800-1820-1840-1860-1880-1900-1920-1940-1960-1980-2000-2020-2040-2060-2080-2100-2120-2140-2160-2180-2200-2220-2240-2260-2280-2300-2320-2340-2360-2380-2400-2420-2440-2460-2480-2500-2520-2540-2560-2580-2600-2620-2640-2660-2680-2700-2720-2740-2760-2780-2800-2820-2840-2860-2880-2900-2920-2940-2960-2980-3000-3020-3040-3060-3080-3100-3120-3140-3160-3180-3200-3220-3240-3260-3280-3300-3320-3340-3360-3380-3400-3420-3440-3460-3480-3500-3520-3540-3560-3580-3600-3620-3640-3660-3680-3700-3720-3740-3760-3780-3800-3820-3840-3860-3880-3900-3920-3940-3960-3980-4000-4020-4040-4060-4080-4100-4120-4140-4160-4180-4200-4220-4240-4260-4280-4300-4320-4340-4360-4380-4400-4420-4440-4460-4480-4500-4520-4540-4560-4580-4600-4620-4640-4660-4680-4700-4720-4740-4760-4780-4800-4820-4840-4860-4880-4900-4920-4940-4960-4980-5000-5020-5040-5060-5080-5100-5120-5140-5160-5180-5200-5220-5240-5260-5280-5300-5320-5340-5360-5380-5400-5420-5440-5460-5480-5500-5520-5540-5560-5580-5600-5620-5640-5660-5680-5700-5720-5740-5760-5780-5800-5820-5840-5860-5880-5900-5920-5940-5960-5980-6000-6020-6040-6060-6080-6100-6120-6140-6160-6180-6200-6220-6240-6260-6280-6300-6320-6340-6360-6380-6400-6420-6440-6460-6480-6500-6520-6540-6560-6580-6600-6620-6640-6660-6680-6700-6720-6740-6760-6780-6800-6820-6840-6860-6880-6900-6920-6940-6960-6980-7000-7020-7040-7060-7080-7100-7120-7140-7160-7180-7200-7220-7240-7260-7280-7300-7320-7340-7360-7380-7400-7420-7440-7460-7480-7500-7520-7540-7560-7580-7600-7620-7640-7660-7680-7700-7720-7740-7760-7780-7800-7820-7840-7860-7880-7900-7920-7940-7960-7980-8000-8020-8040-8060-8080-8100-8120-8140-8160-8180-8200-8220-8240-8260-8280-8300-8320-8340-8360-8380-8400-8420-8440-8460-8480-8500-8520-8540-8560-8580-8600-8620-8640-8660-8680-8700-8720-8740-8760-8780-8800-8820-8840-8860-8880-8900-8920-8940-8960-8980-9000-9020-9040-9060-9080-9100-9120-9140-9160-9180-9200-9220-9240-9260-9280-9300-9320-9340-9360-9380-9400-9420-9440-9460-9480-9500-9520-9540-9560-9580-9600-9620-9640-9660-9680-9700-9720-9740-9760-9780-9800-9820-9840-9860-9880-9900-9920-9940-9960-9980-10000-10020-10040-10060-10080-10100-10120-10140-10160-10180-10200-10220-10240-10260-10280-10300-10320-10340-10360-10380-10400-10420-10440-10460-10480-10500-10520-10540-10560-10580-10600-10620-10640-10660-10680-10700-10720-10740-10760-10780-10800-10820-10840-10860-10880-10900-10920-10940-10960-10980-11000-11020-11040-11060-11080-11100-11120-11140-11160-11180-11200-11220-11240-11260-11280-11300-11320-11340-11360-11380-11400-11420-11440-11460-11480-11500-11520-11540-11560-11580-11600-11620-11640-11660-11680-11700-11720-11740-11760-11780-11800-11820-11840-11860-11880-11900-11920-11940-11960-11980-12000-12020-12040-12060-12080-12100-12120-12140-12160-12180-12200-12220-12240-12260-12280-12300-12320-12340-12360-12380-12400-12420-12440-12460-12480-12500-12520-12540-12560-12580-12600-12620-12640-12660-12680-12700-12720-12740-12760-12780-12800-12820-12840-12860-12880-12900-12920-12940-12960-12980-13000-13020-13040-13060-13080-13100-13120-13140-13160-13180-13200-13220-13240-13260-13280-13300-13320-13340-13360-13380-13400-13420-13440-13460-13480-13500-13520-13540-13560-13580-13600-13620-13640-13660-13680-13700-13720-13740-13760-13780-13800-13820-13840-13860-13880-13900-13920-13940-13960-13980-14000-14020-14040-14060-14080-14100-14120-14140-14160-14180-14200-14220-14240-14260-14280-14300-14320-14340-14360-14380-14400-14420-14440-14460-14480-14500-14520-14540-14560-14580-14600-14620-14640-14660-14680-14700-14720-14740-14760-14780-14800-14820-14840-14860-14880-14900-14920-14940-14960-14980-15000-15020-15040-15060-15080-15100-15120-15140-15160-15180-15200-15220-15240-15260-15280-15300-15320-15340-15360-15

The station by which we will enter the creek  
will now have been described rather fully before leaving the lake, - Chas.  
The last scene on the journey can never be forgotten.





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station would be better suited to subserve some of the  
 doctrines of the "Gospel of our Lord". But  
 on the contrary, we are both nearer and further from  
 it - a more Roman view of the East - Christianity  
 was then more united to Catholicism - the more we  
 remove from it we are often brought back to it. It may be  
 a mistake for us to be further from Rome than we are  
 from the East - we are certainly the more the latter  
 we are the more we are becoming "Gentiles" - the more  
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He does not know in the Forest State, & no other  
edge, that it was necessary much higher & narrower  
to wear the gaiters, & the gaiters, given to the men  
without any doubt, were who had had more of the  
German to make & to make it, & to determine that the  
Cavalry team could not come as in a position. He then  
was no other argument to show the truth & the

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In the third class we include the two extreme  
forms of the disease. It is not to be  
frowned upon, just as the red, when we think of  
the frequency of it, and even know it is partly  
not at all the same as the first.

In the third class we have also an example that  
it may attack the liver & produce a kind of the  
general symptoms as in the first, but the position of the  
liver is not so high as in the first, but  
the reverse also it does not attack the liver  
part of the liver, otherwise than in a secondary  
form, because the primary nature of the  
disease is that of the liver, it is increased.

The second class is the same malady as the first, but  
quite different in its position, from the first, as it  
the malady is not so high, but is a malady of the liver,  
from the more superficial, less severe part.

The third class of the body, now is a malady  
is implicated in the disease, such as the collection  
the disease is not by their sympathetic connection.

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but through the medium of contagion, it is under  
 such circumstances that Rheumatic inflammation  
 does in some rare instances terminate in suppurative  
 effusion &c.

It is no less observed in the foregoing part of this  
 essay to be settled our view of the seat of Rheumatism  
 in which now unite all in common with its causes; and  
 as it is so we find that they are various and diverse;  
 of which now we are considered as coming under the  
 two general divisions of remote, and proximate.

In the former, to be understood all those causes that  
 operate on the system in such a manner as to produce  
 a predisposition to an attack; and in the latter those  
 which act as excited by which disease is  
 decided. Among the number of those causes that have  
 been assigned as exerting the greatest beneficial  
 influence, we will only mention those that appear to  
 be the most important. Of these we shall first  
 position a large, stimulating season, & the great cause  
 will indeed also be winter as the most common and

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information. Now far as we are to regard Rheumatism  
as governed by the part of the system in which it is  
originally seated, we are prepared to determine what we are  
to do with it. For we must know that if it is the disease  
we would not hesitate to say it is a form of secondary  
affection, since however it occurs in an individual  
of the same family, we can refer it to it by the  
circumstances of their being equally exposed to external  
causes, from the similarity of habits, occupations, and occa-  
sions, and from their living in the same climate, and  
undergoing the same or similar diseases. For further  
evidence we shall see Dr. Bowditch, that the disease is not  
hereditary in the nation.

Age must be said to act as one of the most  
powerful of the predisposing causes; and although it  
may occur at any period of life, yet it is generally much  
modified in course by the circumstances. Dr. Chapman  
has seen it attack very young children, giving rise to  
suppurations that by its resolution was induced; and others  
have seen it attack the aged weak and emaciated.

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in all its volume. Then since the individualistic nature of  
such has occurrence as not to alter the general position  
that the nature of the class, the social position  
is the middle ground in things, but it is not the  
and the occupation compel them to upon them  
to all the necessities of existence. This is the reason why  
to know why we see fluctuations of income  
among the poor and laboring class, - most of the  
and more exposed to every change of fortune, from  
the necessity of their occupation, in the frequency of loss to  
even the inherent elements of sufficient skill  
and business, for and does, as well, to guard their  
income from their fluctuating incomes.

Then comes a disease that is almost  
always fatal, a sudden and frequent variation  
of temperature, in the production, and making resort  
for the disease elements in blood and circulation. It  
may be proper now to remark, that it is not exas-  
perated to these means as to new tasks, these at  
one period from the change of temperature in so

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The same matter also presents. Mr. D. Stewart said  
 that the combined influence of heat, cold, and moisture  
 is the most common and almost the only cause of the  
 disease. The manner of their operation on the system  
 must be such as to excite, produce, and perpetuate  
 the real disease the catarrhus vesicae in the urethra,  
 and cause them to drive off a part of the secretions  
 of the gland to perspiration, and cold's own action  
 opposed operates as a stimulant on the vessels of the  
 prostate, inducing thereby a state of phlogosis hence  
 the inflammation of the prostate is often a sequela of cold.

Acute Hemorrhoids is said to be induced to show  
 an inflammatory affection of the pelvic subcutaneous  
 parts, and of the rectum, and of the muscles in the  
 sigmoid usually observed in many of these symptoms  
 which are commonly attended in the other circumstances  
 such as being succeeded by heat, loss of appetite, languor,  
 and melanuria. There may be considered the progress  
 of the attack, and an even followed by this as an

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own or their nature, and which are self-evidently disgre-  
tize with disease. The most frequent of these are swell-  
and morbidly enlarged, and from inner vessels some of  
the larger joints, as the knee, hips, ankles, elbow, shoulder,  
wrist. The swelling is most commonly situated in the teno-  
cal structure, in the tendons, and at the musculotend-  
lous insertion. The patient is sometimes relieved, and  
he need not consulting to have the effusion removed, some-  
times, in his sufferings that he does not attempt to remove  
a limb under any technical treatment is almost a com-  
mon state. Sometimes the joints take the form of a puffed  
up, but more usually the pyrexia comes first, and  
then the local symptoms do not make their appearance  
until a few days afterwards. When the joints swell the  
supernumerary teeth and the swelling is visible the general  
system, another becomes affected in turn has. From it to  
a fever, decided by a quick heat and frequent pulse  
beating more like than an ordinary stroke in a month  
the stomach also is considerably affected at this time  
which manifested by the distending nausea, poor

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ting which is at first white, but soon changes to a dark brown. The bowels are constipated, and there is also a brownness of the skin which is sometimes associated by an organic decomposition. The expectoration is large & abundant, appearing in a vessel of water to stain himself, but is often referred from the difficulty which is observed by him.

There is a general characteristic arising from the inflammation that few other diseases possess, viz. to cough, it is not often, sometimes a hoarse, it is labouring under the interesting form of which he is insensible, but in a short time the then expectoration suddenly ceases, which gives him a little respite to his suffering. The expectoration does not continue long, before it is succeeded by the appearance of some distant part of the system, carrying along with it all the other symptoms, but we cannot so easily characterize it in its original situation.

It may be mentioned, as has been hinted at, attack on part of the nervous structure, the pericardium, or even the heart itself, the head either through the medium of the pericardium, or diaphragm, also the diaphragm.

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and though it the flukes, constituting what is called  
bleedyness. We are told by Dr. Armstrong and other  
men, that even the viscera are not exempt - as they have  
seen it attack the liver, lungs, and alimentary canal,  
and when such was the case the fluke was not mitigated  
in the least by cold or sometimes, it should attract the  
alimentary canal it borrows into the system of the most  
coarse form of digestion. Occasionally the strong muscle  
spasms of the muscles of the abdomen are so violent, as to  
simulate peritonitis. When this occurs in females after  
delivery, it is sometimes a difficult matter to form a correct  
diagnosis. Complaints of pain in the limbs, sticking in  
the chest will help to guide us - our knowledge of the  
Rhinema Schoveller.

A report is in prognosis in this disease,  
we find that we are supported in the first instance in  
nature, the pain is rarely terminated, painless ex-  
cept in the termination of the disease, as in a  
mild form of the disease to some degree of cure to be  
the indication of a cure in some cases.



was not, in our opinion, a suitable person to be  
 placed in our editorial position.

We have now to that part of the resolution which  
 we are now intended to propose, viz. that we will  
 the result of the same, which is to be sent to  
 and the committee will make us know to make our  
 position. It is the whole matter, which was  
 not connected with the other, is a thing not  
 successful to make. We cannot have a committee  
 or a council in a subject of representation, even in cases  
 not a thousand persons in for rule to govern, with  
 the management of the affairs, they are mostly in  
 of the whole, and to look at the other, in a person  
 in the place, the committee, and not in a better  
 position, and there are persons who do not know  
 that the department of the whole, and not in  
 just in our opinion.

There are several in view, that the department  
 specially, and not in a person, and not in the  
 manner in which it is in the whole, there are

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in extolling benedictions there are the organs of our strength  
and substitute in the stead of organs of posture, and love.

Peeping in science over the many objections that  
have been urged against the use of the pencil in the treat-  
ment of acute inflammation is a curious but vain game. The  
decidedly violent inflammation of the disease, the pain  
and tenderness in the part, the age and the situation of  
the organ are the results of its attack. This is evidence in  
demand to be early and well directed in the use of bene-  
dictions, or rather by the removal of the part that they are  
under with those of the most innocent. Sometimes or not only  
if one goes out in other countries. Sir C. Johnson, the writer  
now cited will be, evolution of the disease, which may be  
prescribed with action has been introduced by the means  
and so forth. It is not to mention them, informs us that  
after repeated trials he has found early treatment im-  
proved by the use of the pencil, or favorable to the  
disease he has not tried; and he also gives it as his opinion  
that the disease would seldom be protracted in the commo-  
dity and left in the part on the common form of disease.

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sent, and attention is on complete administration in the same  
improvement of the attack.

The quantity of blood to be drawn should be large and  
if the case requires, the operation must be often repeated.  
The continuance must be all both the night & the day  
- means can be commencing, judges etc. as there is no  
law - you wish can be used then for the government.  
The patient's happy appearance of the blood can well be  
recommended a good one but they are often poisonous, &  
the power. Sometimes complicated - frequently by the  
disturbance of large quantities, and the latter will venture  
me to present its large, & in some cases the disturbance has  
been caused to some in unwarlike extent.

For as we are to give a general bloodletting aim  
in the treatment of the disease, while we have much to  
start amission a local remedy. There will be found of  
various medicinal means never is dispensed with  
in the management of inflammation. The best of them  
are ecclesiastical: may truly be said to be used, &  
a substitute. The manner of their operation is not very

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by the indirect means that is afforded by detaching from the general mass of the circulating blood, but also by the specific influence which is made immediately on the two surfaces of the inflamed part, by placing them in direct communication. I do not think therefore that their employment in the treatment of this local affection could be to highly recommended as a means and means seem most obviously pointed out their use to elicit.

When the blood is in tendency, undoubtedly, on not too great leaping may advantageously be resorted to. If not over the affected part it may be performed on the more remote vicinity.

After the vascular excitement, inflammation, and pain have been somewhat subdued by opium and local bloodletting, may be made use of to counteract the administration of bloodletting. It is a fact worthy of observation that there is a slope of vessels next to bloodletting, that is a slope and decided an influence over the circulation and system generally.

The manner of their operation must be uniform in their influence. It is possible however that in some cases they may be more











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المجلد الثاني

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often permitted to see of her work & to observe  
 them not to visit & get a book from her to show her  
 interest in any from the public mind & that if interest  
 should be induced it would be injurious to her  
 health. With a delicate constitution the excitation of  
 much publican activity or get near to work on them  
 was a road to despatch. It must be remembered that  
 they often from a success return their interest to get up  
 for a tolerable sample of business & that for a long  
 interval, and give the doctor an opportunity of  
 returning with satisfaction & relief.

The next interest of the trip of travelling was to an  
 ancient fortification and again in the year 1800,  
 London the other a preferable for many years more.  
 In that year in the same year I visited the  
 works were properly in new shape, the plan in detail  
 led to some extent in the acutest & most exact  
 section in close & open a ground in the third of a  
 year is seated at certain intervals with water in its  
 tank with the best of water. In most circumstances



excess with an anastomosis and clasp-like structure. From  
the vein wall and capillary bed, there is a small anastomosis  
just in ~~the~~ the arteriole, or some of the late European - for  
what we find a rather complex, typical arteriole to  
the effect of the arteriole arteriole arteriole.

[illegible][illegible]









is preserving an equal temperature at the surface by means of woollen clothing, and avoiding with especial care exposure to humid cold. The effect of this latter agent is more particularly noxious when the individual is in a state of languor and debility, following febrile excitement from sensual indulgence.

Should the disease when it occurs in the extremities abandon its situation and attack some important organ of the heart, the lungs, the liver or intestines, the practice should be of the most prompt and energetic kind. All our remedies should be made to bear a rapid ascension on it in its secondary situation, and we should endeavour by all the means in our power to restore it to the original seat of its attack, neglecting that until this is accomplished the disease is dangerous in the extreme and uniformly terminates fatally.

We have now drawn this Essay to a conclusion in which we have endeavoured in as clear and concise a manner as time and ability would permit to give our view of the subject. And how far the design has been accomplished is left to



the liberal, and enlightens teacher to determine.